

Figure 1

1 MKRINESNNT DDCGNHHNLG FSLSPHM. KMEAT SAATVETTFY
 GmANT1 MKSMEENDNA DUNQNNNLG FSLSPOMHN1 GVSSHSQPSA AAEVVTTSFY
 GmANT2 MKSFCDNDN NSNTNTLIG FSLSNNMMK1 GGRGGREAI SSSTSSAAAT
 ANT

51 MSpSOSH.. SNGMC YGV .GENGF HSPLTVMPLK SDGSILCILEA
 GmANT1 HHTAP.. L.. SSIGFY YGLEAENGL YSALPIMPLK SDGSILCILEA
 GmANT2 GNTSNSFGYC YG .SNENGGI YSHMSVMPUR SDGSILCILEA
 ANT

101 LKRSQTQMV PTSSPKLEDF LGGATMGT H EY.. . . GSHER GLSLSIYNN
 GmANT1 LSRSOACAMA TTSPTKLENF LGGEAMGTPH HYECSATETM PLSDVDFY.
 GmANT2 TH HNNTSHKEAM DLSDLSLFYN

151 SONAAEOPNR DLLSQPFRO. OGHMSV QTHPYSSGLA CHGLYDAPLE
 GmANT1 IQPSRDPNN NQTYQNHYQH ISTNQQQQQ ELQAYYSTLR NHDMILEGSK
 GmANT2 ANT TTNPQEFFFST POTHREEET RNYGNDPSL. THG.

201 EET'KET... HVSDCSSLMP QMTEGLKNW APTRP .STH QVLEQOMNC
 GmANT1 QSOUDNNL HYQNMGGDDA VPVRGKSW. EVRNFOASH AHESKIVPH
 GmANT2 ANT GSFNVGV YGEFQQLSI SMSPGSSSC ITGSH HHQMQNQH

251 GMGNERNGVS LGSVGCGELO SLSLSMSPGS OSSCV. APSGTDSPA
 GmANT1 GMSMAYGDLQ SLSLSMSPGS QSSSVTSR ASPAVDVSVA
 GmANT2 VEEENAGESGS ANT QSONH Q QISEALVETS VOFETT. TMA

301 VDAKKRGHAK . . . LGQKOPV HRKSIDTFCQ RTSQYRGVTR HRWTGYPEAH
 GmANT1 MDTRKRGPEK . . . VDOKOIV HRKSIDTFCQ RTSQYRGVTR HRWTGYPEAH
 GmANT2 AAKKKRGQED VVVVGQKQIV HRKSIDTFCQ RTSQYRGVTR HRWTGYPEAH
 ANT

351 GmANT1 LWDNSCKKEG OTRKGROVYL GGYDMEERKA RADLAALKY WGPSTHINF
 GmANT2 LWDNSCKKEG QSRKGROVYL GGYDMEERKA RADLAALKY WGPSTHINF
 ANT LWDNSFKKEG HSRKGROVYL GGYDMEERKA RADLAALKY WGPSTHINF

401 GmANT1 TENYQVQLEE MKNMSRQEYV AHLRKSSGF SRGASIYRGV TRHHQIGRWQ
 GmANT2 LENYQVQLEE MKNMTROEVY AHLRKSSGF SRGASIYRGV TRHHQIGRWQ
 ANT AENYQKIEED MKNMTROEVY

451 GmANT1 ARIGRVAGNK DLYLGTFSTQ EEAEAAYDV AIKFRGANAV TNFDTISRYDV
 GmANT2 ARIGRVAGNK DLYLGTFSTQ EEAEAAYDV AIKFRGANAV TNFDTISRYDV
 ANT ARIGRVAGNK DLYLGTFGTQ EEAEAAYDV AIKFRGTNAV TNFDTISRYDV

501 GmANT1 ERIMASSNLL AGELARRKKD NDPRNKDIDY NKSUVTSV N NEETVYOAG
 GmANT2 EKIMASSNLL SSELARRNE TDNETQCLDQ NENKPSAYED TQEALINHQK
 ANT DRIMSSNTLL SGELARRN. NNNSLIVR NTEQDTALNA VVEGGSNKEV

550 GmANT1 NNNNENDSEW KMLFLNHPSQ QQ.QANGNG DQKIMNCGNY RNSAFSMALQ
 GmANT2 SCESEND. QW KVLY. QSSQ QL.EQNPPTI E. SDR TNQSFVALD
 ANT STPERLISFP A1FALPQVNQ KMFGSNMGGN MSFWTSNPNA ELKTVALFLP

601 GmANT1 DLIGIDSVGS GOHMLDESS KIGTHFSNTS SILYTSLSSSR EASPERGSP
 GmANT2 NMF. ANT HQVEEESS SLATSLSSSR KARTHVSNPS EGSPDTISLP
 ANT QMPVFAAWAD ~~~~~ ~~~~~ ~~~~~ ~~~~~

651 GmANT1 LLFMPPMET KIVNPIGTSV TSWLPSPTVQ MRSPPAISL HLPVFASWTD
 GmANT2 MLSGMPSTAS KLIATNPNNV NSWDPSPHLR PAITLP QMPVFAAWTD
 ANT

700 GmANT1 T
 GmANT2 A
 ANT

701 GmANT1 T
 GmANT2 A
 ANT

Figure 2a

g1244708	1	-SFCNDNNNHSITTT	SNNMK	GIGGRERATY	-----	40	
GmANT1	1	-RINESNNNTDDNNH	GE	-HNK TEA	-----	31	
DsANT1	1	MASGNSSSSSGSMAATA	GYGG	-HATYCAGEW DYG-HHHH	-----	48	
GhANT1	1	-----	MS	-D RIDESEFRDIHGFP-----	-----	28	
GmANT2	1	SMENDDNADLNQNNTICE	ST	QMHNTGYSSHSIPSSAAEVPTSFYHHTAPLSSYGFYY	-----	63	
DsANT1	1	-----	MASGEGSS	STPSTAHHHH-----HHHPPAA-----	-----	45	
g1244708	41	-----SSSTSSAATSSSSVPP	LVGDNTSNF	VCYGSNPNGG-----IYSHMSY	-----	85	
GmANT1	32	-TAATVPTTYMSPS	HL SNF	MCYGVGENN-----FHPLT	-----	71	
DsANT2	49	HHWHQHQQQHGGGLYN-	PA	YASSFYGGHDAVVTSAAAGGSYYGAFSS	-----	99	
GhANT1	29	-----	-----	-----	-----	30	
GmANT2	64	GLENVGLYSALP-	-----	-----	-----	78	
DsANT1	46	AAAAAGAMSSPP-----	DATTTCNFLSPPAAM	MAPPGYYYYGGAYGDTSTAGYYY-SHLPM	-----	103	
g1244708	86	YF T2D GCLMIA	SHNIHHD	-----SHNIHHD-----SHNIHHD-----	-----	125	
GmANT1	72	IB C2C CTIA KRS	-----	-----SHNIHHD-----SHNIHHD-----	-----	113	
DsANT2	100	HIL C2D C2C ALRG	-----	-----SHNIHHD-----SHNIHHD-----	-----	137	
GhANT1	31	PFD 5D5 C2V PFRD	-----	-----SHNIHHD-----SHNIHHD-----	-----	98	
GmANT2	79	9 5D5 YG TS	-----	-----SHNIHHD-----SHNIHHD-----	-----	133	
DsANT1	104	9 5D5 YG TS	-----	-----SHNIHHD-----SHNIHHD-----	-----	131	
g1244708	126	-----NTSHKEAMDL	LDLFN	-----TTHPNNTTNFQEFFF-----	-----	159	
GmANT1	114	-----HEYGSHERGL	LDIY	NSQNAEAQPNRDLLSQFRQQGHMSVQT	-----	158	
DsANT2	138	-----AGPAMAL	LDNSA	YGGHHQGHQAQDGGAvgGDPHHG-----	-----	177	
GhANT1	99	QNTVPSPTRINVNAPNYSSGD	-----	-----AEAAENF	-----	152	
GmANT2	134	LSLDSVYTIQPSRRDPNNNQTY	-----	-----NPSFIQTYRNNE	-----	188	
DsANT1	132	-----	-----	-----QNHVQHISTNQDQQQQELVAYYSTLNRHMILE-----	-----	165	
g1244708	160	FPOTRNHEETRN-YGND	-----PSLTHGGSFNF	-----QQLSLSLSMSPS-----	-----	205	
GmANT1	159	HPYYSGLACHLYAPPLEE	-----TKEHYSD	-----QQLSLSLSMSPS-----	-----	226	
DsANT2	178	-----GFLDCAVTPGAGAG	-----PQMTTEGLKNW	-----QPLQVLEQQMNCMGN	-----	228	
GhANT1	153	-----HSLQDCOPNPNNQQR	-----SG	-----AALVHQDAAVAAGUJAAMGGYDIAAAAADDV	-----	201	
GmANT2	189	-----SKSQSTSDDNNNLHVQNMG	-----GDDAVPVPGLK	-----VSFGFKSWLRQTFPGGGKASNN-----	-----	245	
DsANT1	166	-----YNYDPLTEAMLQEAAAAP	-----K	-----SKMIVPHVEENAG	-----	219	
g1244708	206	QSCITGSHHHQDNQHQDNQHQDNQ	-----QDQVWWV	-----QEDVWWV	-----	272	
GmANT1	227	ERNGYSLGCVCG	-----LSSMS	-----QDQVWWV	IIPHRK	287	
DsANT2	229	CAAGPIIFG	-----GHLHPLT	-----GTDSSAVDA	-----ARLSD	294	
GhANT1	202	-----ENNFFN	-----SMTMS	-----AGEPYMANDAVS	-----ADRACQ	252	
GmANT2	246	ESGIGSMYVDSL	-----SMTMS	-----PTSRNGFPAP	-----LEVVDN	309	
DsANT1	220	GSQSSSCW	-----SMTMS	-----SOSSSVTSSSHRS	-----SPAVVDSVAMDT	-----EVDDQ	280

Figure 2b

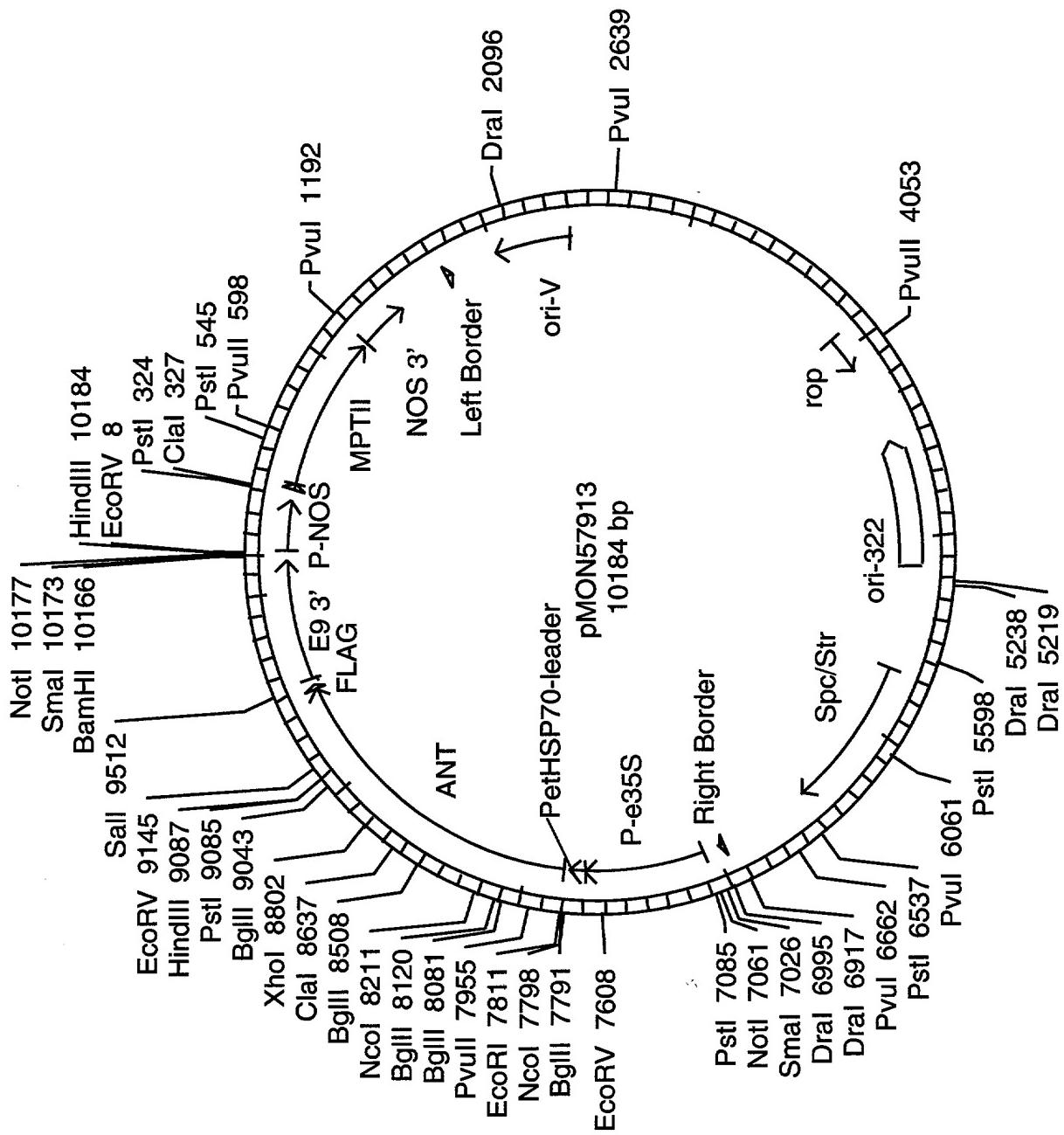


Figure 4

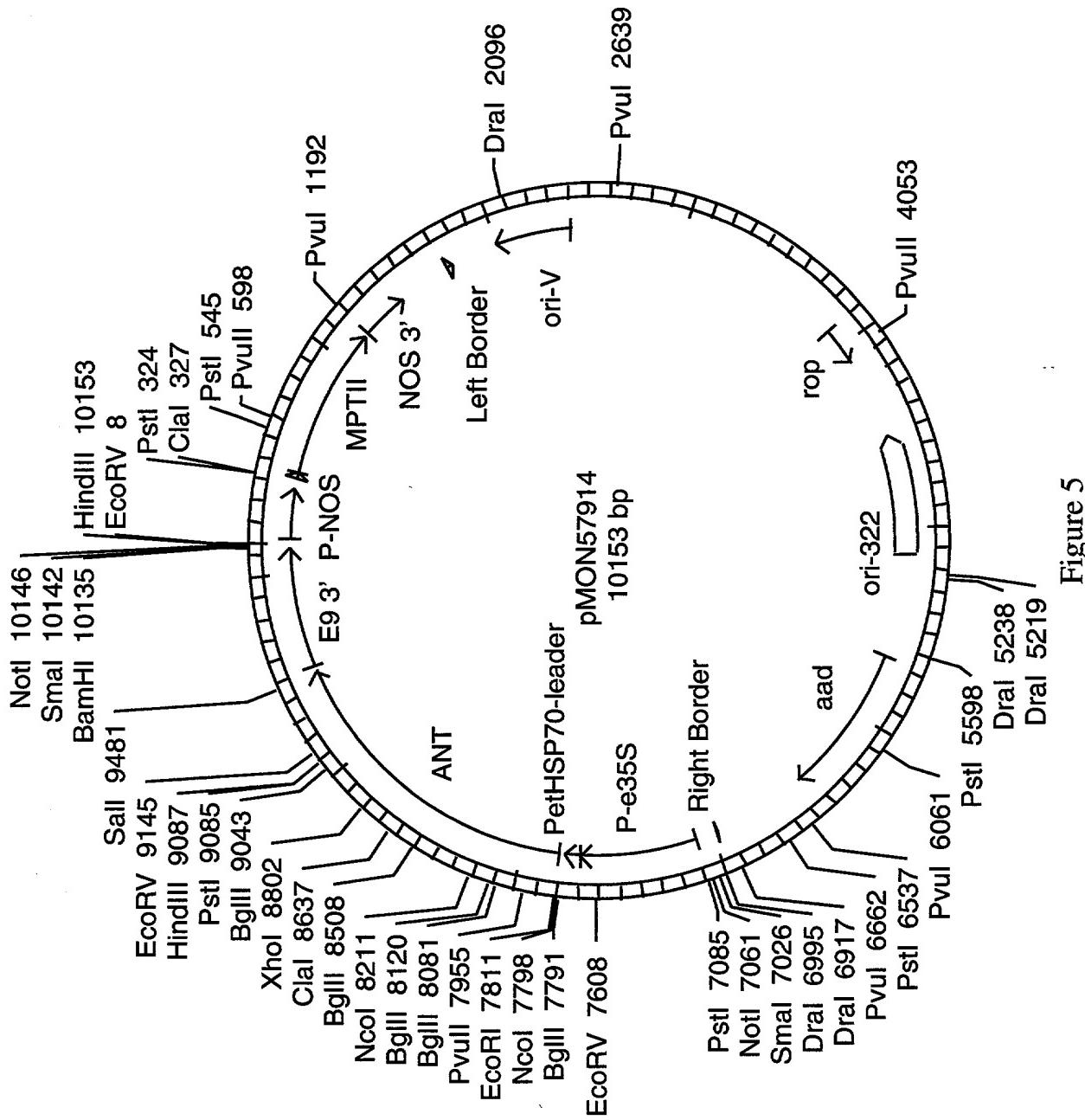
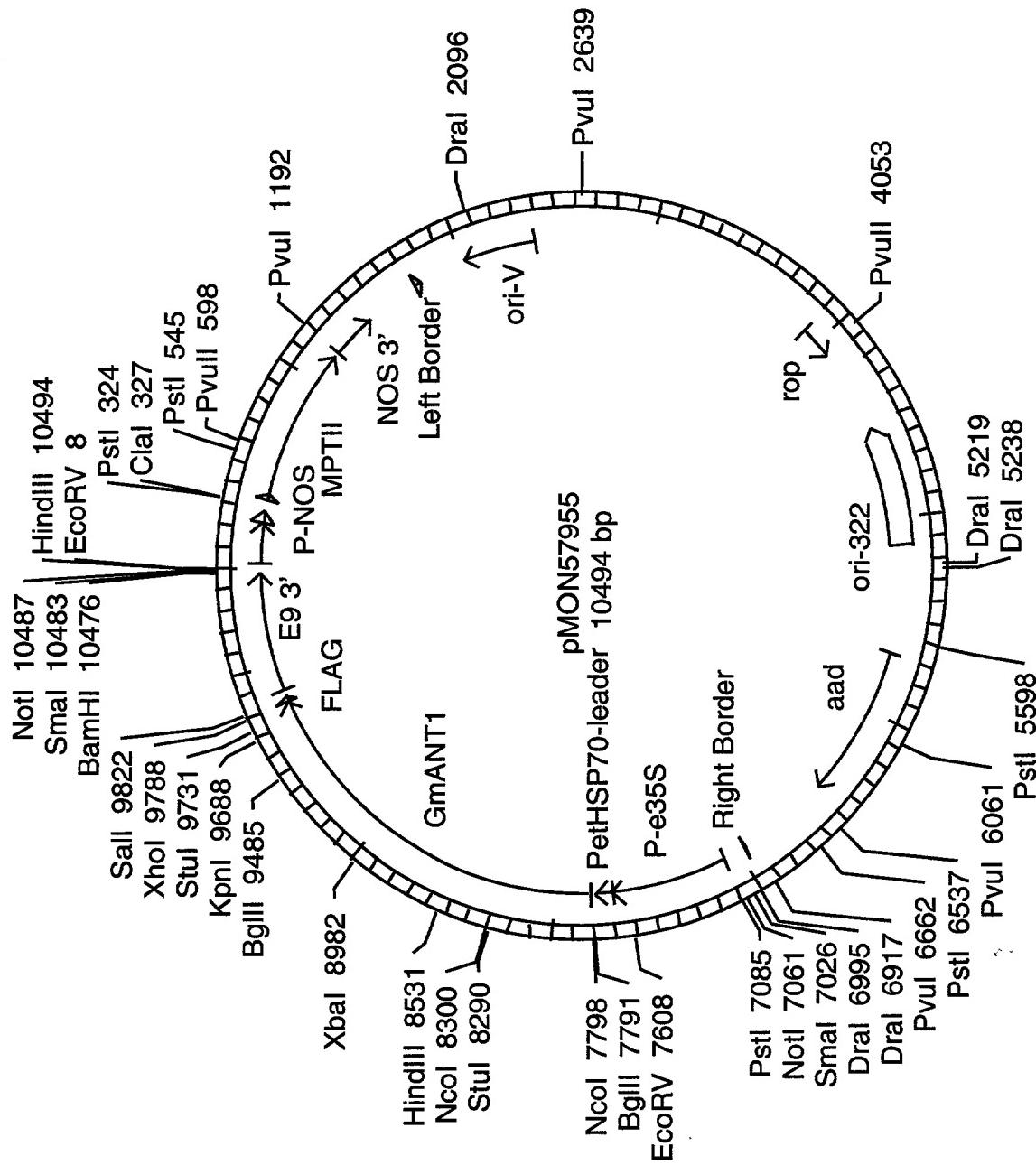


Figure 5

Figure 6



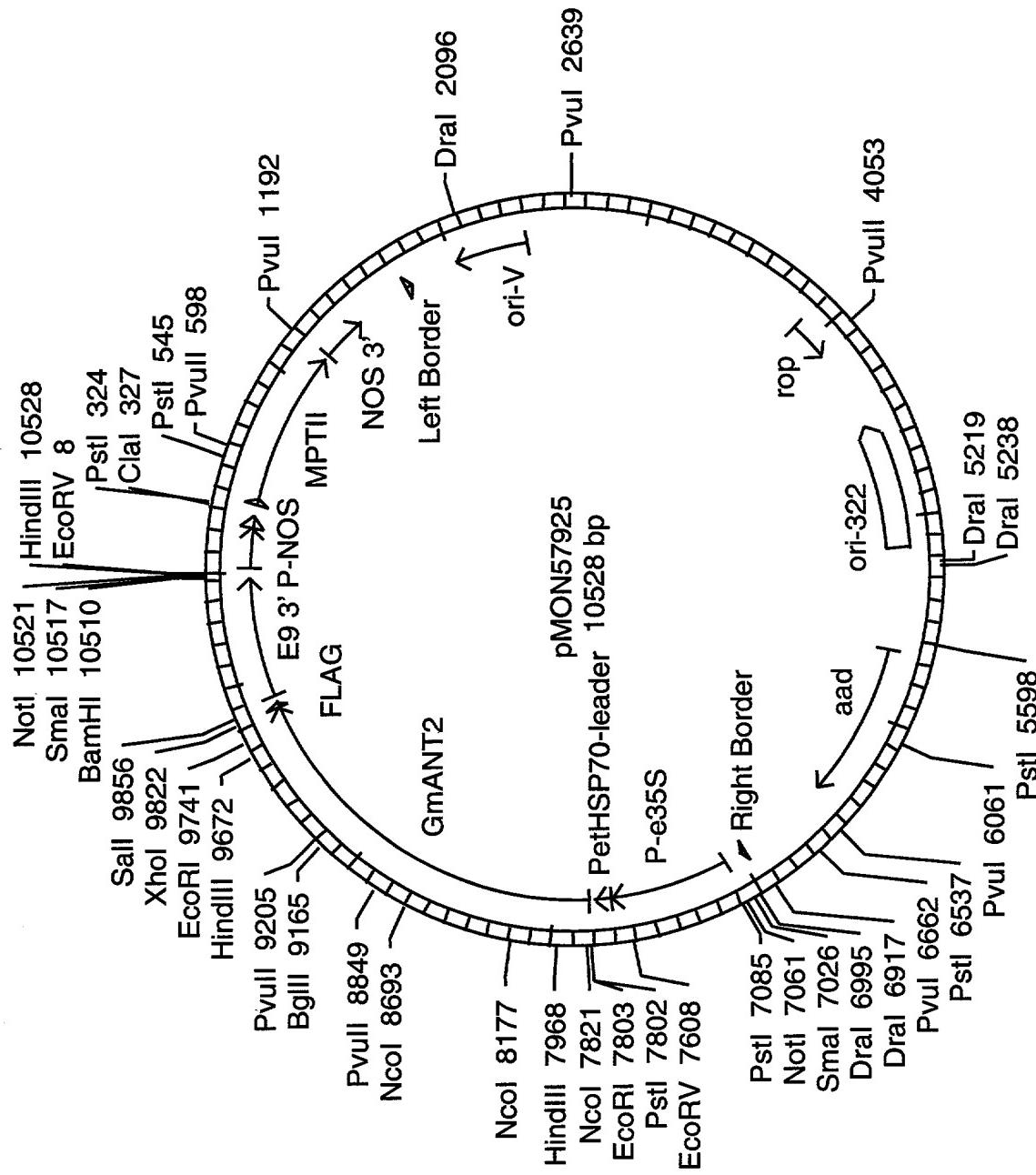


Figure 7

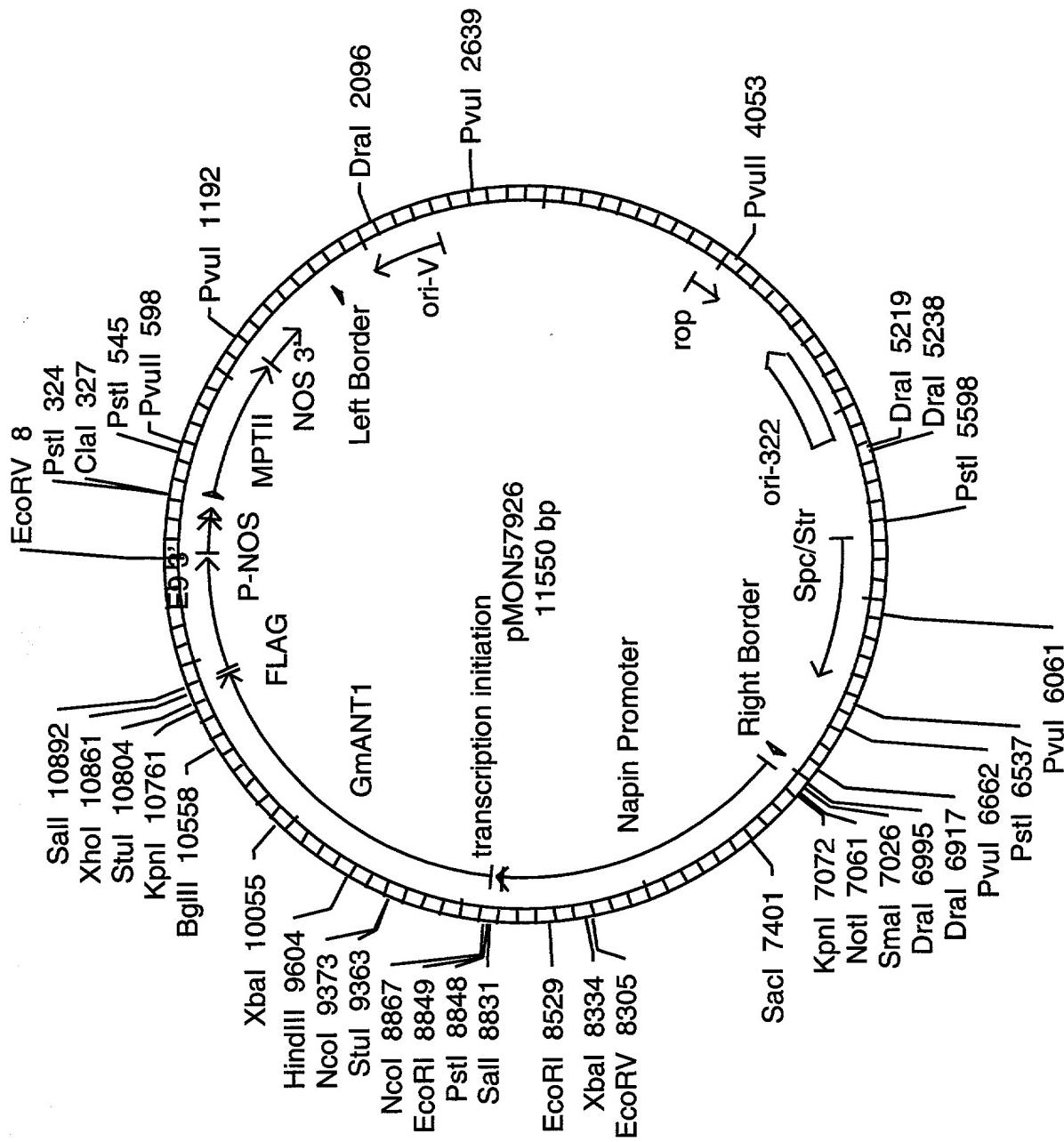


Figure 8

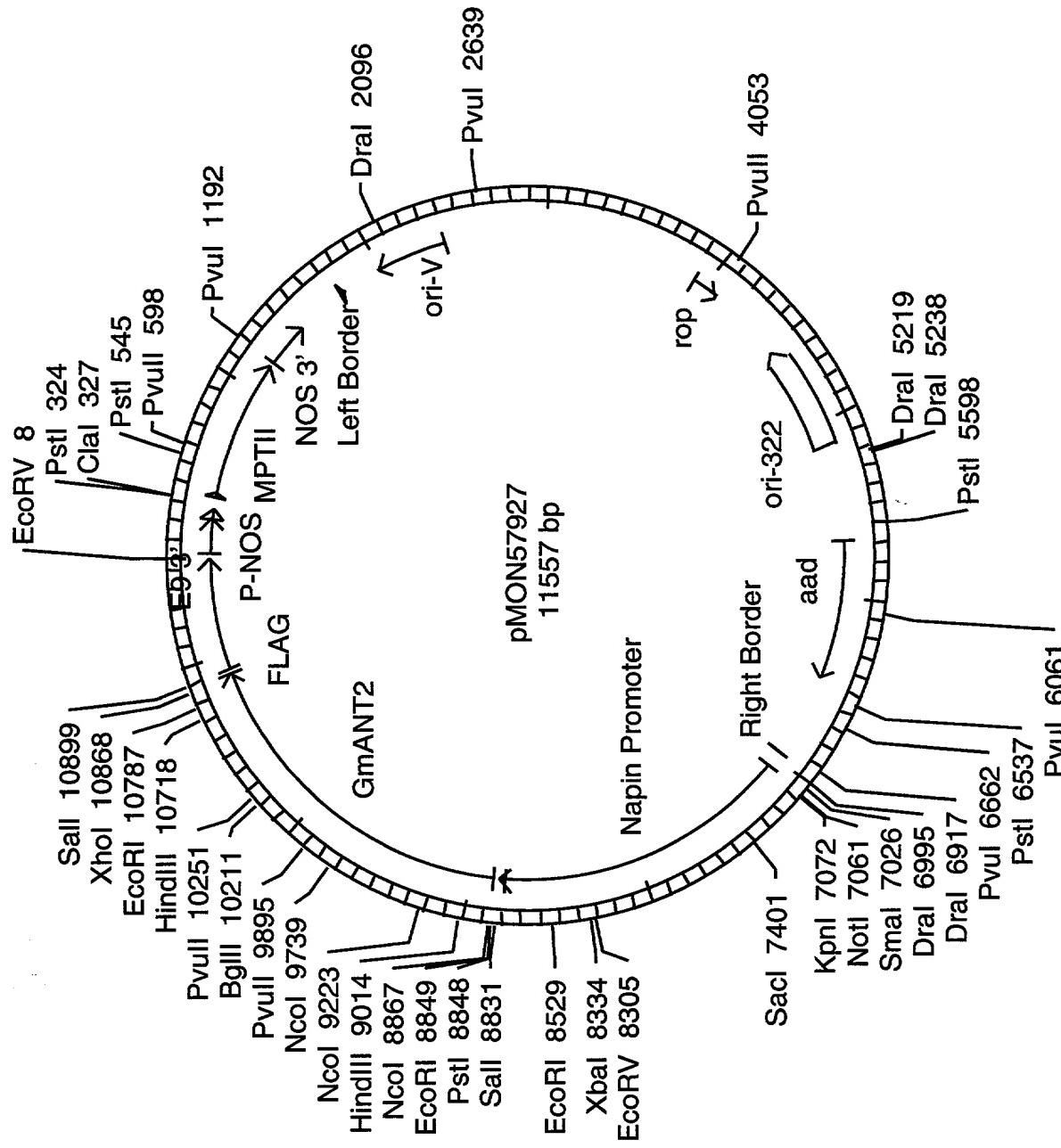
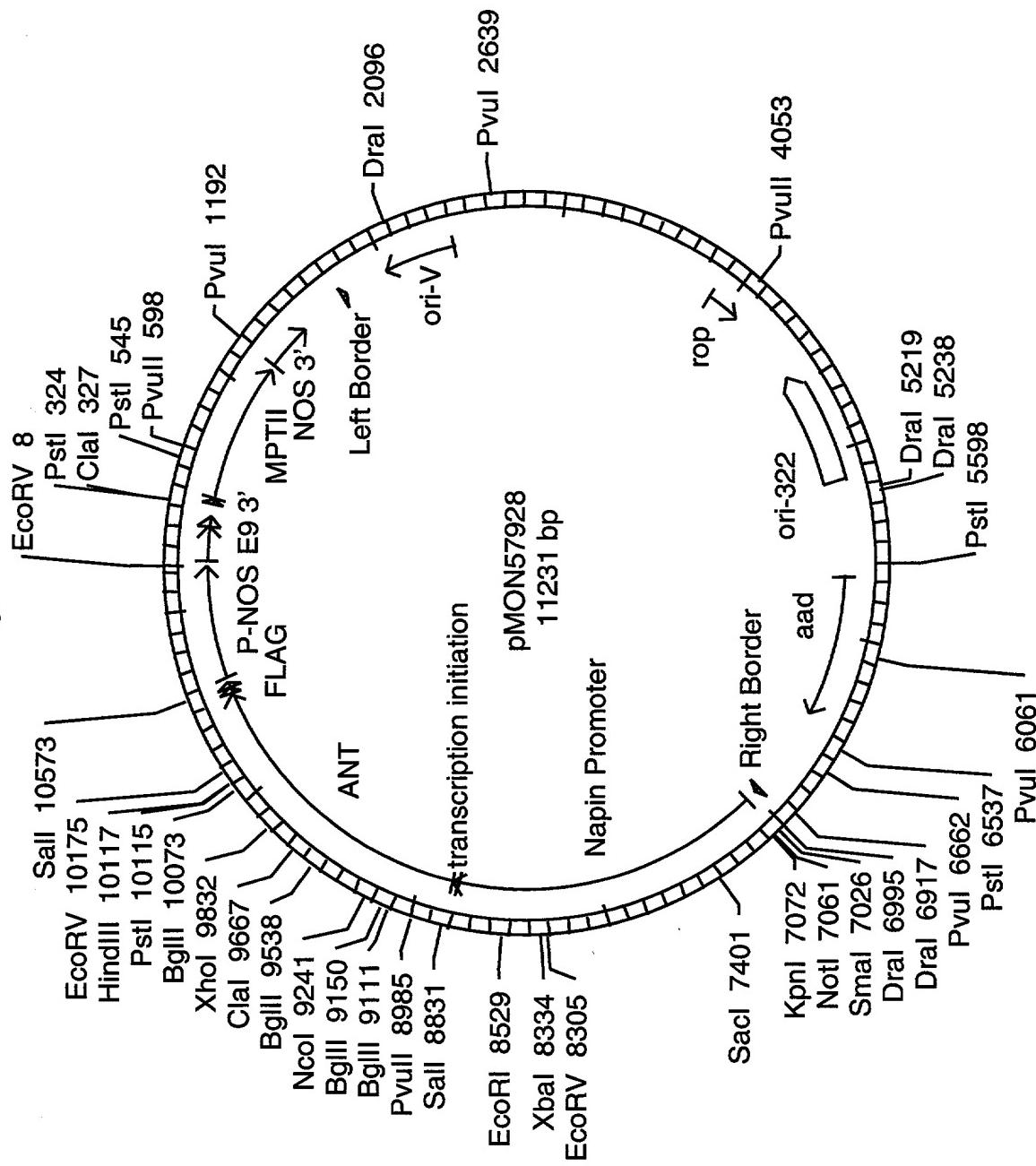


Figure 9

Figure 10



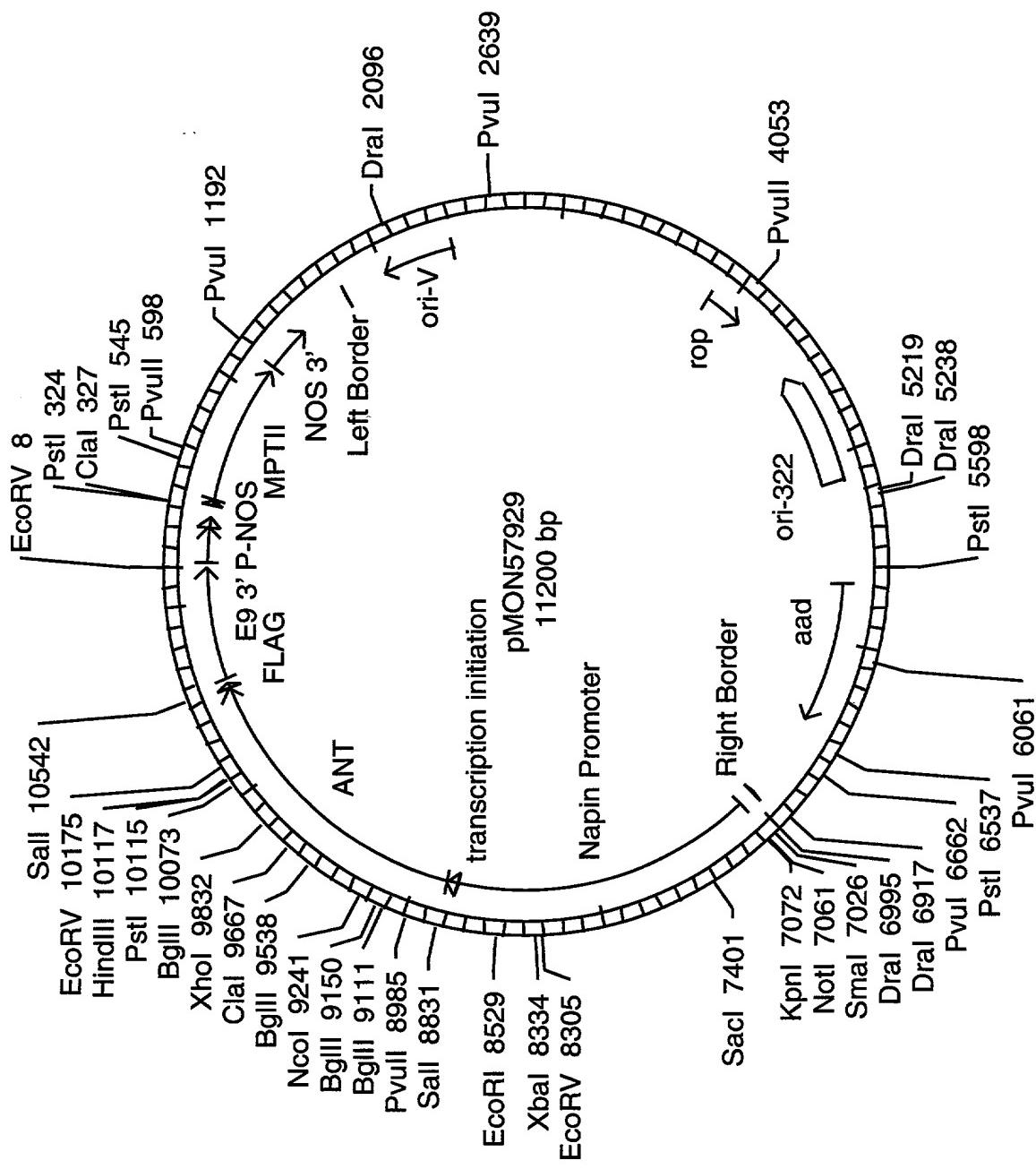


Figure 11

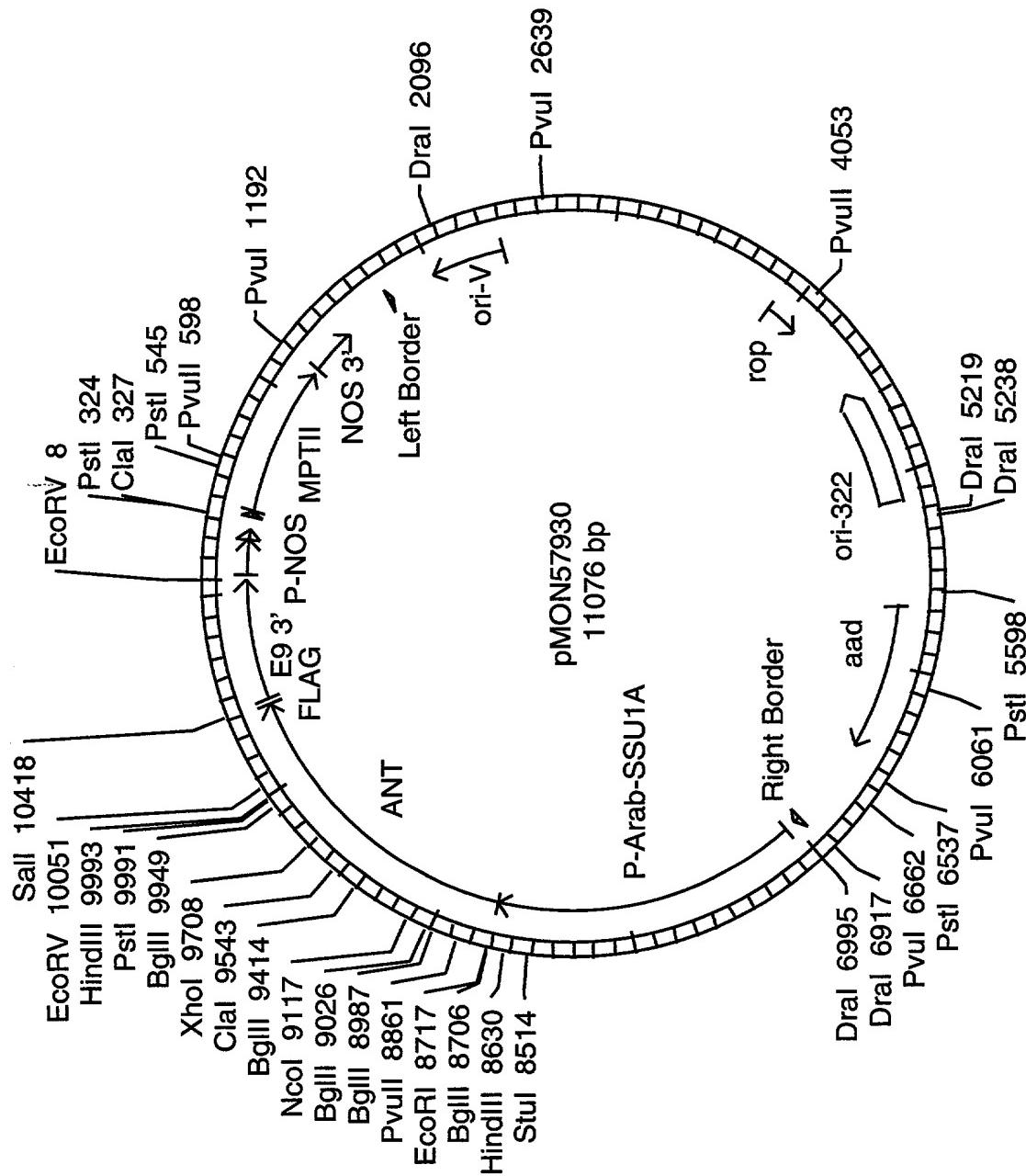


Figure 12

Figure 13

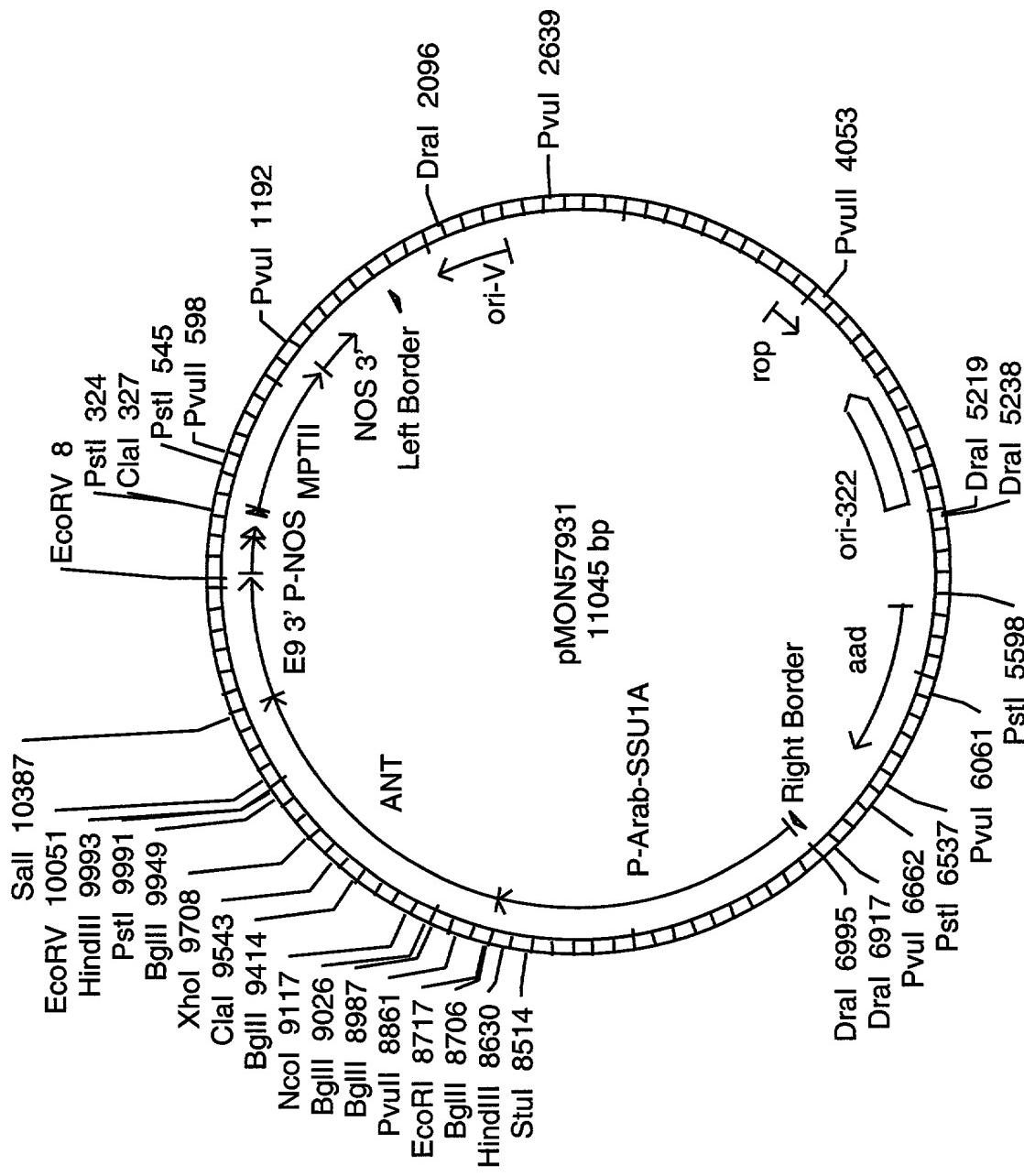


Figure 14

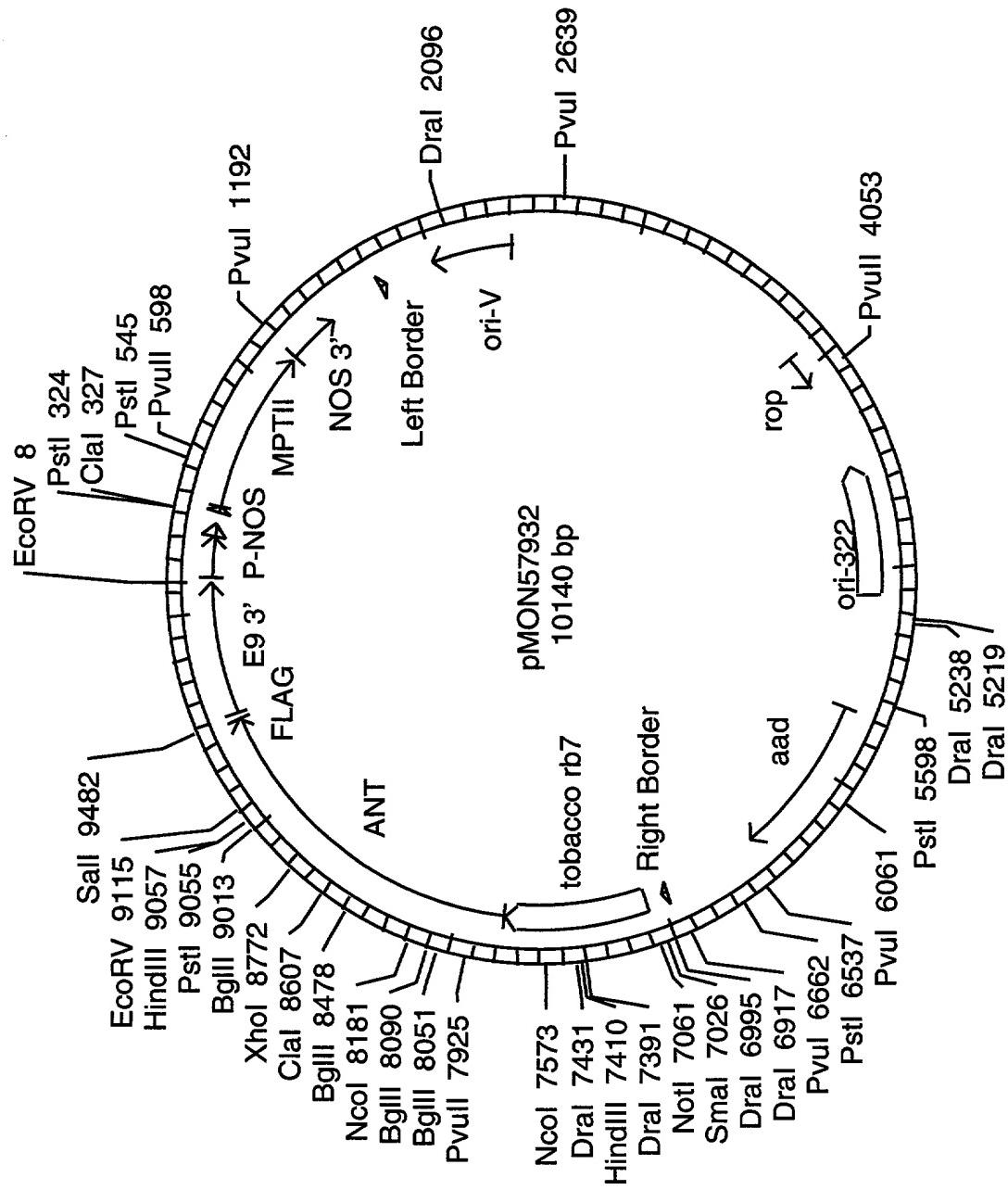


Figure 15

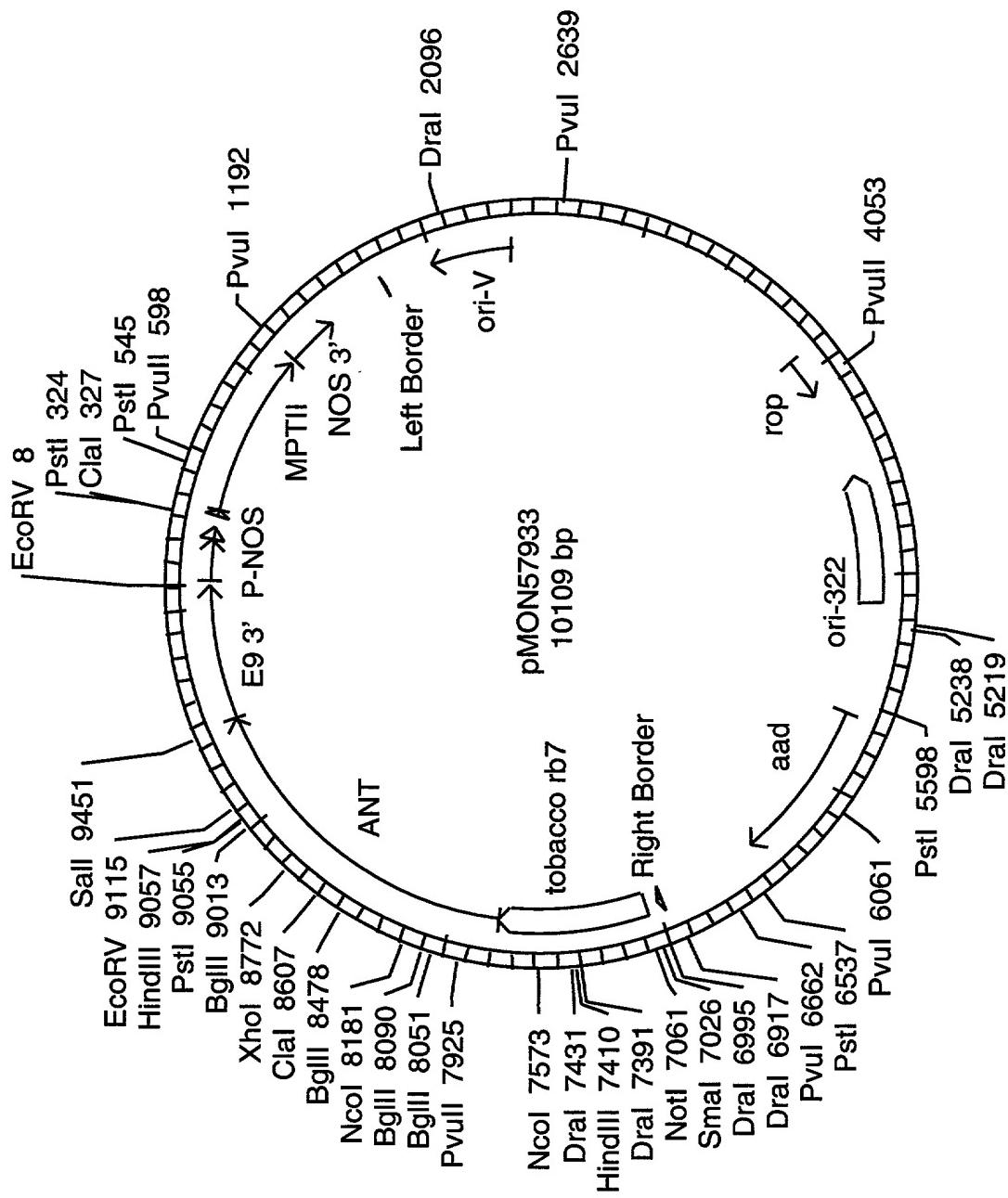


Figure 16

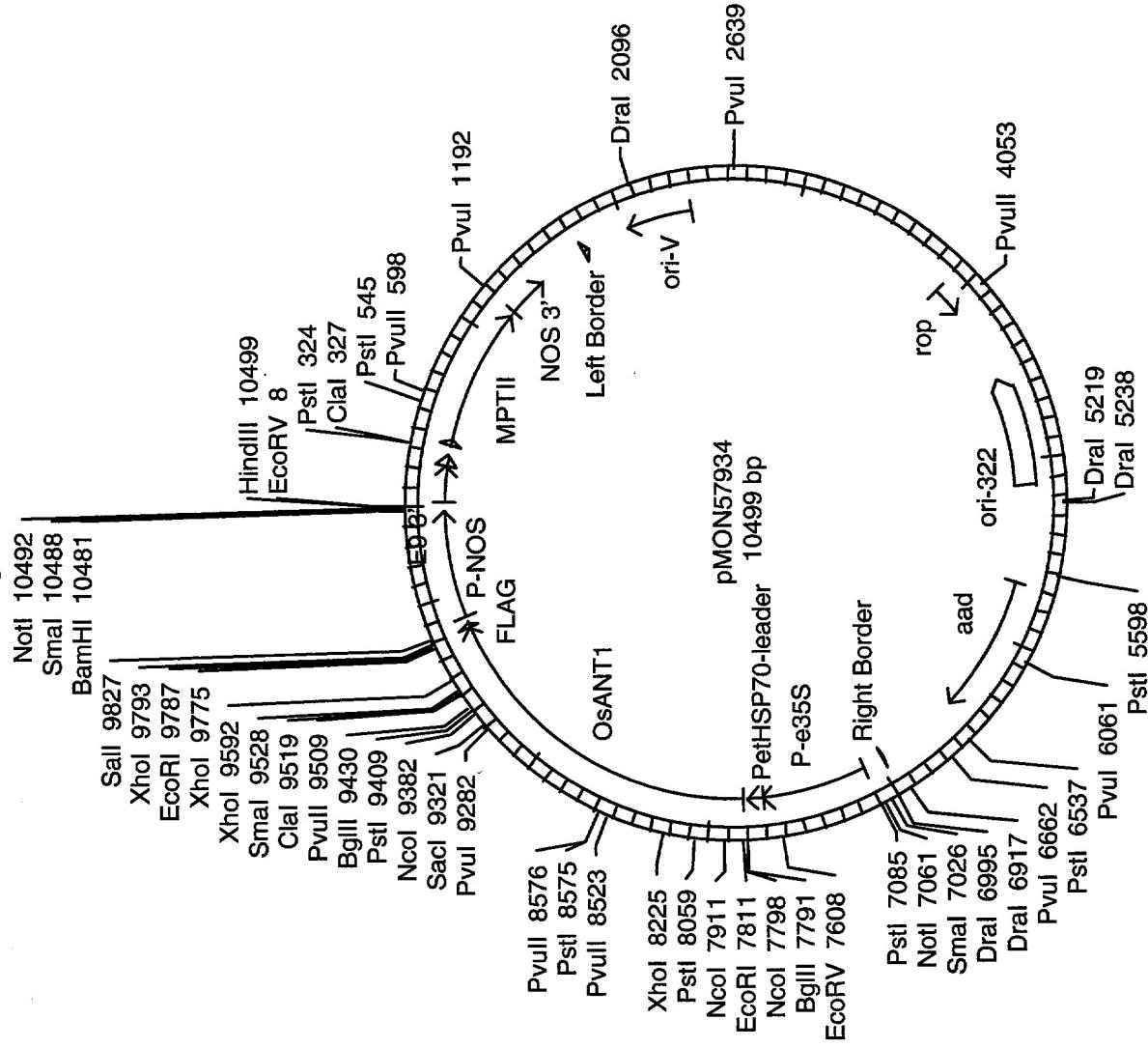


Figure 17

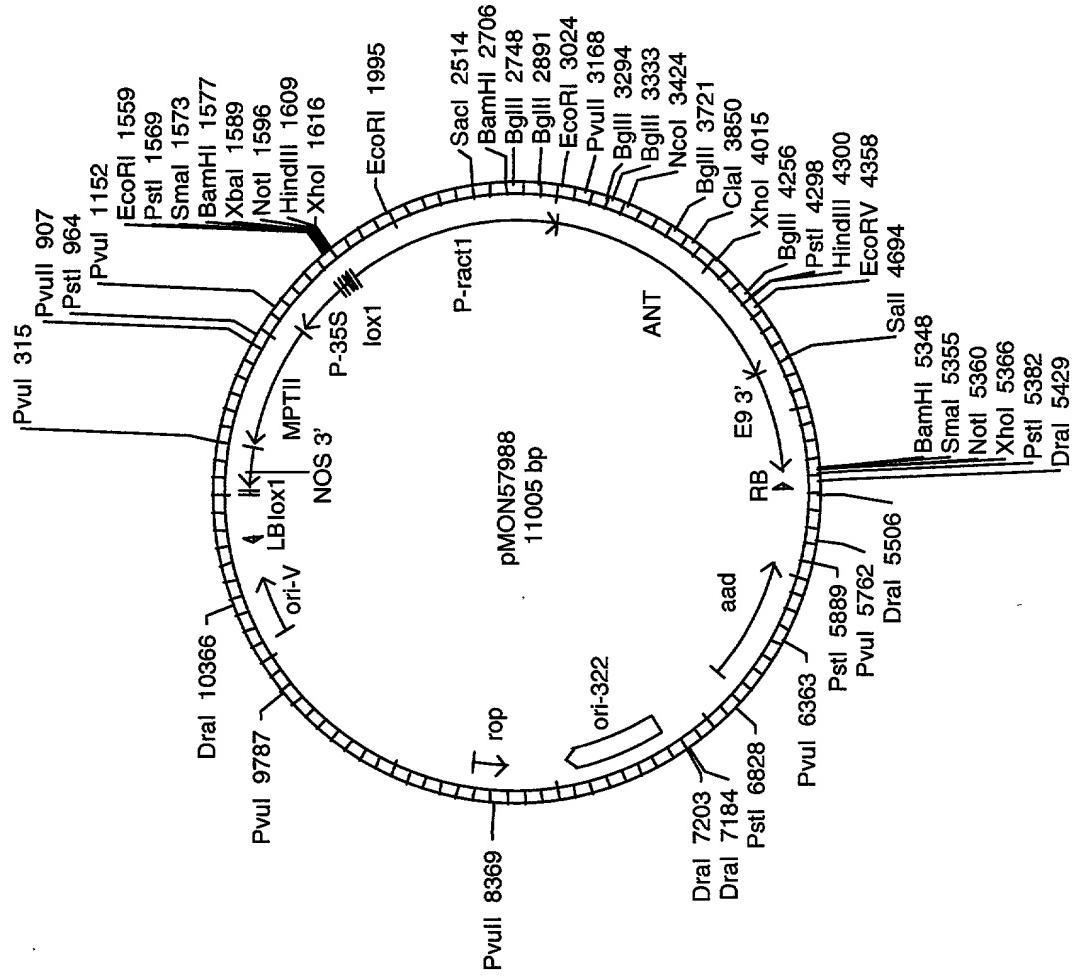


Figure 18

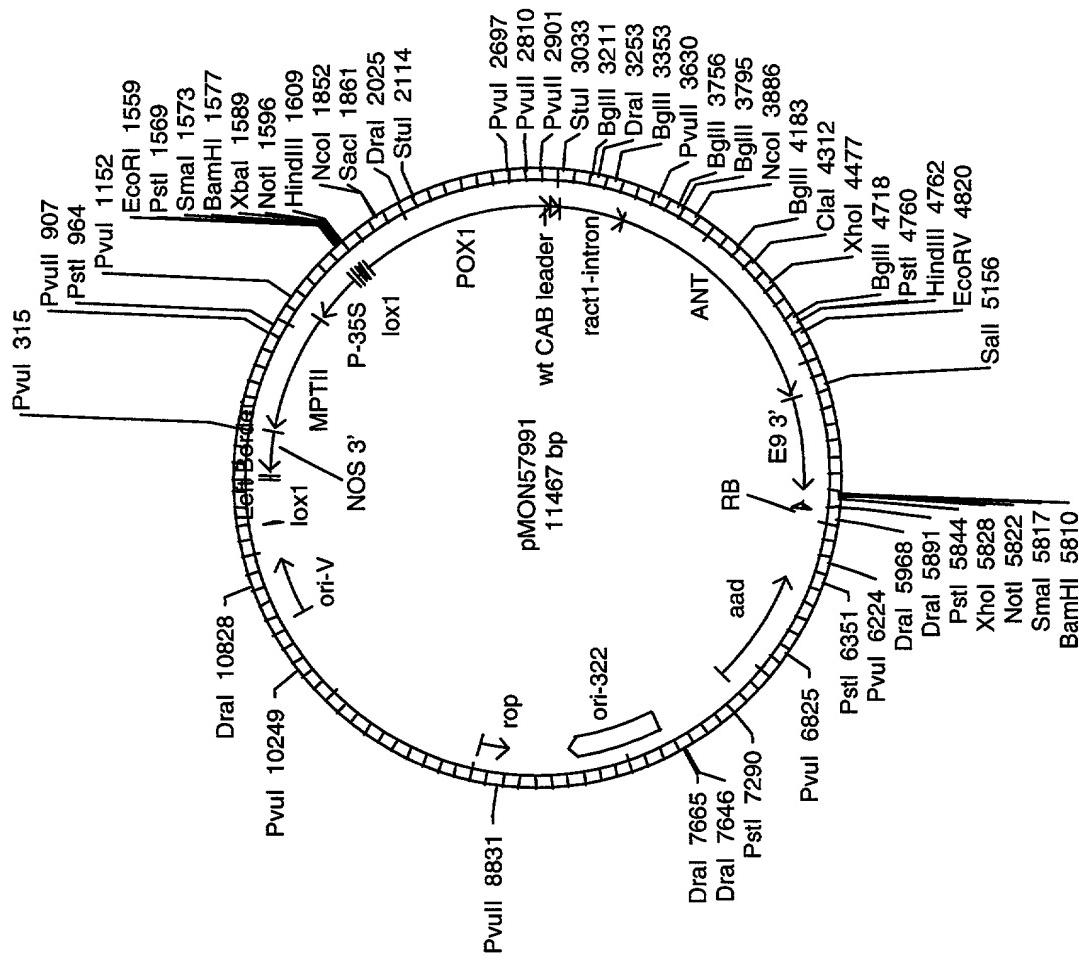


Figure 19

